

Figure 1

ORIGIN

```

1 mqr1gatllc lllaaavpta papaptatsa pvkpgpalsy pqueatlnef freveelmed
61 tqhklrsave emeaeaaaak assevnlanl ppsyhnetnt dtkvgnttih vhrleihkitn
121 nqtgqmvfse tvitsvgdee grsbeciid edcgpsmycq fasfqtccp crgqrm1ctr
181 dseccgdqlc vwghctkmat rgsngticdn qrdccpglcc afqrgllfpv ctplpvegel
241 chdpasrllc litwelepdg aldrpcasg llcqpshsl vyvckptfv srdqdgell
301 prevpdeyev gsfmeevrge ledlerslte emalgcpaaa aaallggee

```

Figure 2

BASE COUNT

625 a

618 c

668 g

567 t

1 others

ORIGIN

```

1 ggcacgaggg ggcggcggt ggcggcgag agcgagatg cagcggttg gggccaccct
61 gctgtgcttg ctgctggcg ggcgggtccc cagcgcccc cgcggcgctc cgacggcgac
121 ctggtgctca gtcaggcccg gccgggtctt cagctaccgg caggaggagg ccaccctcaa
181 tgagatgttc cgcgaggttg aggaactgat ggaggacacg cagcacaaat tgcgcagcgc
241 ggtggaagag atggaggcag aagaagctgc tgctaaagca tcatcagaag tgaacctggc
301 aaacttacct cccagctatc acaatgagac caacacagac acgaaggttg gaaataatac
361 catccatgtg caccgagaaa ttcacaagat aaccaacaac cagactggac aaatggtctt
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481 catcgacgag gactgtgggc ccagcatgta ctgccagttt gccagcttcc agtacacctg
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601 gctgtgtgtc tgggggtcact gcacccaaat ggccaccagg ggcagcaatg ggaccatctg
661 tgacaaccag agggactgcc agcgggggct gtgctgtgct tccagagag gctgtgtgtt
721 cctgtgtgtc acacccctgc ccgtggaggg cgagctttgc catgaccccg ccagccggct
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841 cagtggcctc ctctgccagc cccacagcca cagcctgggt tatgtgtgca agccgacctt
901 cgtggggagc cgtgaccaag atggggagat cctgtgtccc agagaggtcc ccgatgagta
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1081 agagatttag atctggacca ggctgtgggt agatgtgcaa tagaaatagc taatttattt
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1561 gccttcagct gttgcagatg aaatgttctg ttcacccctg attacatgtg ttattctatc
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1681 ttccctctct cagcacagcc tggggagggg gtcattgttc tctctgtcca tcagggattt
1741 cagaggctca gagactgcaa gctgcttgcc caagtacac agctagtga gaccagagca
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1861 tgccaccaa agtgctcccc aaaaggaagg agaatgggat ttttctttt aggcattgac
1921 atctggaatt aaggtcaaac taattctcac atccctctaa aagtaacta ctgttaggaa
1981 cagcagtgtt ctcacagtgt ggggcagccg tcttctaat gaagacaatg atattgacac
2041 tgtccctctt tggcagttgc attagtaact ttgaaaggta tatgactgag cgtagctatc
2101 aggttaacct gcagaaacag tacttaggta attgtagggc gaggattata aatgaaattt
2161 gcaaaatcac ttagcagcaa ctgaagacaa ttatcaacca cgtggagaaa atcaaacgga
2221 gcagggtgtg gtgaaacatg gttgtaatat gcgactgcga acactgaact ctacgccact
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2341 taaagttaa agttgcacat gattgtataa gcatgctttc tttgagtttt aaattatgta
2401 taaacataag ttgcatttag aaatcaagca taaatcactt caactgctaa aaaaaaaaaa
2461 aaaaaaaaaa aaaaaaaaaa

```

Figure 3

DQDGEILLPR

Figure 4

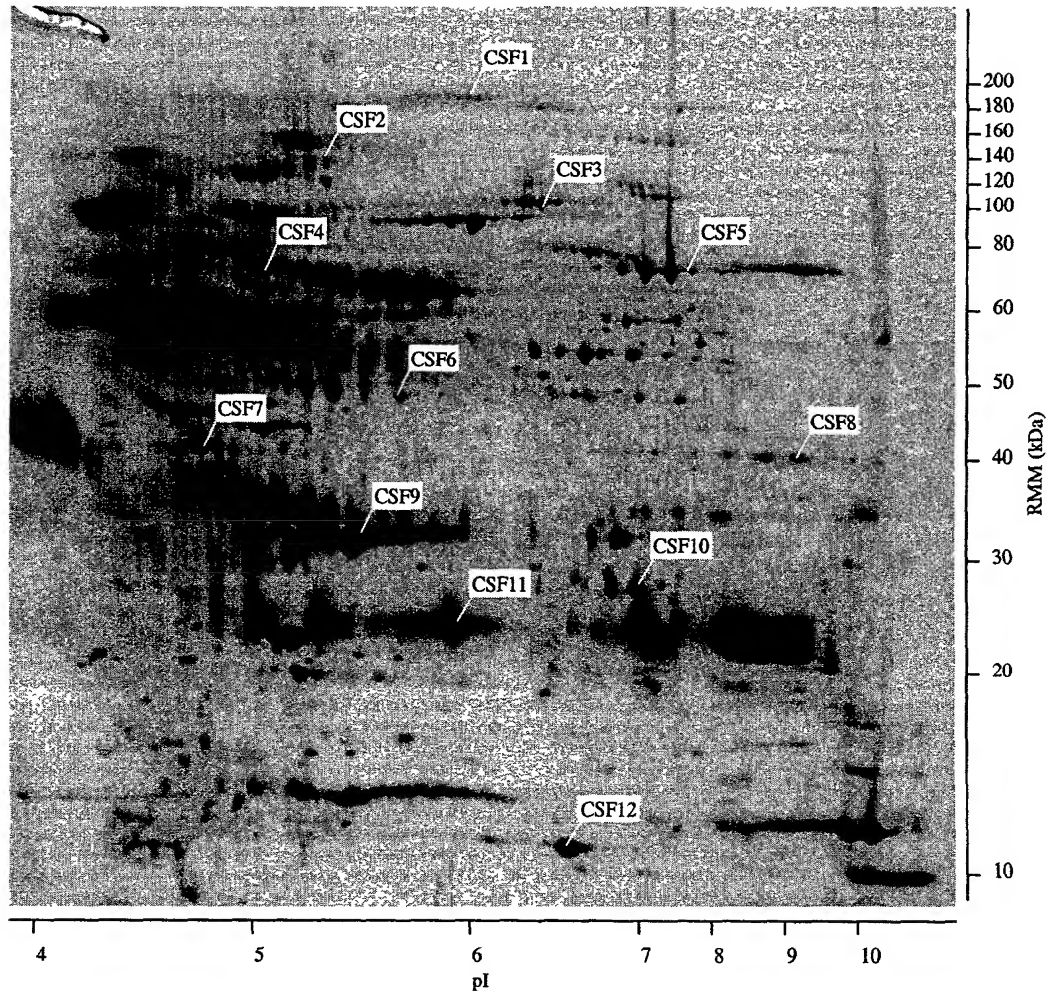


Figure 5

